

1 / 3 6

SEQUENCE LISTING

<110> ONCOTHERAPY SCIENCE, INC.

THE UNIVERSITY OF TOKYO

<120> METHODS OF DETECTING METHYL TRANSFERASE ACTIVITY AND METHODS OF  
SCREENING FOR METHYL TRANSFERASE ACTIVITY MODULATORS

<130> ONC-A0310P

<150> US 60/538,658

<151> 2004-01-23

<160> 55

<170> PatentIn version 3.3

<210> 1

<211> 22

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<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 1

2 / 3 6

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&lt;400&gt; 3

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23

3 / 36

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23

&lt;210&gt; 5

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&lt;210&gt; 6

4 / 3 6

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&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

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&lt;400&gt; 6

gcataaaatc taactctggg gctgg

25

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&lt;220&gt;

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&lt;400&gt; 7

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23

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5 / 3 6

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&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 8

gcattgctcag tcttttctctc tta

23

&lt;210&gt; 9

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&lt;212&gt; DNA

&lt;213&gt; Artificial

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&lt;400&gt; 9

gtgctcttct cgcaggcgca g

21

&lt;210&gt; 10

&lt;211&gt; 22

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&lt;213&gt; Artificial

6 / 3 6

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

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ataccatgca gcgtggacac tc

22

&lt;210&gt; 11

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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR.

&lt;400&gt; 11

gatacccaca accgcaattc t

21

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&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

7 / 3 6

&lt;400&gt; 12

caaacaggaa ccaagaacaa gtc

23

&lt;210&gt; 13

&lt;211&gt; 23

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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 13

agttaaacag agccaaaggg aag

23

&lt;210&gt; 14

&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 14

8 / 36

ctgtagtctt tccgaactgt gtg

23

&lt;210&gt; 15

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 15

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24

&lt;210&gt; 16

&lt;211&gt; 25

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&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 16

cgtgttcata gcaaattgggtg cactc

25



9 / 36

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&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 17

ccctttggag aacagggaaa gcctg

25

&lt;210&gt; 18

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 18

gctgatctca gggcatagcc aggag

25

&lt;210&gt; 19

1 0 / 3 6

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 19

aaaggctgag tgcacgtcc gtctc

25

&lt;210&gt; 20

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 20

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25

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&lt;211&gt; 21

&lt;212&gt; DNA

11/36

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<400> 21

agagaatccc tgatccacgt c

21

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<213> Artificial

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cgggctagta gaaggagtac tgg

23

<210> 23

<211> 25

<212> DNA

<213> Artificial

1 2 / 3 6

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&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 23

ggcaccactt tcgtgcagta ccagg

25

&lt;210&gt; 24

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 24

gtcaggcacc tctgcacagt ccagg

25

&lt;210&gt; 25

&lt;211&gt; 26

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

1 3 / 3 6

&lt;400&gt; 25

tgcattattc cggactgaac aaatgc

26

&lt;210&gt; 26

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 26

gttgctaaat tgtagcgaag ggctc

25

&lt;210&gt; 27

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 27

1 4 / 3.6

accaagtac agagcccttc gctac

25

&lt;210&gt; 28

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 28

tcactgcctg ggctttggtc ttg

24

&lt;210&gt; 29

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 29

gaccaaagcc caggcagtga gagtg

25

1 5 / 3 6

&lt;210&gt; 30

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 30

ctgaggaagg gctgggacaa cattc

25

&lt;210&gt; 31

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 31

tggctacaag cctcttctgt ttg

25

&lt;210&gt; 32

16 / 36

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for ChIP assay

&lt;400&gt; 32

aggggtgggt ttattagcac ccagg

25

&lt;210&gt; 33

&lt;211&gt; 44

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide probe for in vitro  
binding assay

&lt;400&gt; 33

ttacgccctc ctgaaacttg tcatcctgaa tcttagaggg gccc

44

&lt;210&gt; 34

&lt;211&gt; 44



17 / 36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide probe for in vitro  
binding assay

&lt;400&gt; 34

gggcccctct aagattcagg atgacaagtt tcaggagggc gtaa

44

&lt;210&gt; 35

&lt;211&gt; 15

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide probe for in vitro  
binding assay

&lt;400&gt; 35

ccctttgatc ttacc

15

&lt;210&gt; 36

&lt;211&gt; 15

18/36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide probe for in vitro  
binding assay

&lt;400&gt; 36

ggtaagatca aaggg

15

&lt;210&gt; 37

&lt;211&gt; 15

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide probe for in vitro  
binding assay

&lt;400&gt; 37

ccctttggcc ttacc

15

&lt;210&gt; 38

&lt;211&gt; 15

19 / 36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide probe for in vitro  
binding assay

&lt;400&gt; 38

ggtaaggcca aaggg

15

&lt;210&gt; 39

&lt;211&gt; 29

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing  
mutant-type ZNFN3A1.

&lt;400&gt; 39

cggaattctg gcgtcgtctg cgaccgctg

29

&lt;210&gt; 40

&lt;211&gt; 32

20 / 36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing mutant-type ZNFN3A1.

&lt;400&gt; 40

ggggtacctt aggatgctct gatgttggcg tc

32

&lt;210&gt; 41

&lt;211&gt; 32

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing mutant-type ZNFN3A1.

&lt;400&gt; 41

cggaattcag actccgttcg acttcttggc ag

32

&lt;210&gt; 42

&lt;211&gt; 33

21 / 36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing  
mutant-type ZNFN3A1.

&lt;400&gt; 42

cggaattccc ggaagcagct gagggaccag tac

33

&lt;210&gt; 43

&lt;211&gt; 33

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing  
mutant-type ZNFN3A1.

&lt;400&gt; 43

cggaattcga tggagccgct gaaggtggaa aag

33

&lt;210&gt; 44

&lt;211&gt; 30

22 / 36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing  
mutant-type ZNFN3A1.

&lt;400&gt; 44

ggggtacctt accggcgctc ctcactggtc

30

&lt;210&gt; 45

&lt;211&gt; 33

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constructing  
mutant-type ZNFN3A1.

&lt;400&gt; 45

ggggtacctt agtctggagg atatctgggt ttg

33

&lt;210&gt; 46

&lt;211&gt; 24

23 / 36

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence to amplify the  
fragment of Nkx2.8 promoter by PCR

&lt;400&gt; 46

agcgggcctg gtaccaaatt tgtg

24

&lt;210&gt; 47

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence to amplify the  
fragment of Nkx2.8 promoter by PCR

&lt;400&gt; 47

ccgggatgct agcgcatTTA cagc

24

&lt;210&gt; 48

&lt;211&gt; 55

2 4 / 3 6

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide sequence for plasmids  
expressing siRNA to ZNFN3A1

&lt;400&gt; 48

caccaacatc taccagctga aggtgttcaa gagacacctt cagctggtag atgtt 55

&lt;210&gt; 49

&lt;211&gt; 55

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized oligonucleotide sequence for plasmids  
expressing siRNA to ZNFN3A1

&lt;400&gt; 49

aaaaaacatc taccagctga aggtgtctct tgaacacctt cagctggtag atgtt 55

&lt;210&gt; 50

&lt;211&gt; 1622



25 / 36

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (96)..(1382)

&lt;400&gt; 50

gtgcgcgcag ggcgcaggcg cgcgggtccc ggcagcccgt gagacgcccg ctgctggacg 60

cgggtagccg tctgaggtgc cggagctgcg ggagg atg gag ccg ctg aag gtg 113

Met Glu Pro Leu Lys Val

1

5

gaa aag ttc gca acc gcc aac agg gga aac ggg ctg cgc gcc gtg acc 161

Glu Lys Phe Ala Thr Ala Asn Arg Gly Asn Gly Leu Arg Ala Val Thr

10

15

20

ccg ctg cgc ccc gga gag cta ctc ttc cgc tcg gat ccc ttg gcg tac 209

Pro Leu Arg Pro Gly Glu Leu Leu Phe Arg Ser Asp Pro Leu Ala Tyr

25

30

35

acg gtg tgc aag ggg agt cgt ggc gtc gtc tgc gac cgc tgc ctt ctc 257

Thr Val Cys Lys Gly Ser Arg Gly Val Val Cys Asp Arg Cys Leu Leu

40

45

50

26 / 36

ggg aag gaa aag ctg atg cga tgc tct cag tgc cgc gtc gcc aaa tac 305  
Gly Lys Glu Lys Leu Met Arg Cys Ser Gln Cys Arg Val Ala Lys Tyr  
55 60 65 70

tgt agt gct aag tgt cag aaa aaa gct tgg cca gac cac aag cgg gaa 353  
Cys Ser Ala Lys Cys Gln Lys Lys Ala Trp Pro Asp His Lys Arg Glu  
75 80 85

tgc aaa tgc ctt aaa agc tgc aaa ccc aga tat cct cca gac tcc gtt 401  
Cys Lys Cys Leu Lys Ser Cys Lys Pro Arg Tyr Pro Pro Asp Ser Val  
90 95 100

cga ctt ctt ggc aga gtt gtc ttc aaa ctt atg gat gga gca cct tca 449  
Arg Leu Leu Gly Arg Val Val Phe Lys Leu Met Asp Gly Ala Pro Ser  
105 110 115

gaa tca gag aag ctt tac tca ttt tat gat ctg gag tca aat att aac 497  
Glu Ser Glu Lys Leu Tyr Ser Phe Tyr Asp Leu Glu Ser Asn Ile Asn  
120 125 130

aaa ctg act gaa gat aag aaa gag ggc ctc agg caa ctc gta atg aca 545  
Lys Leu Thr Glu Asp Lys Lys Glu Gly Leu Arg Gln Leu Val Met Thr  
135 140 145 150

ttt caa cat ttc atg aga gaa gaa ata cag gat gcc tct cag ctg cca 593

27 / 36

Phe Gln His Phe Met Arg Glu Glu Ile Gln Asp Ala Ser Gln Leu Pro

155

160

165

cct gcc ttt gac ctt ttt gaa gcc ttt gca aaa gtg atc tgc aac tct

641

Pro Ala Phe Asp Leu Phe Glu Ala Phe Ala Lys Val Ile Cys Asn Ser

170

175

180

ttc acc atc tgt aat gcg gag atg cag gaa gtt ggt gtt ggc cta tat

689

Phe Thr Ile Cys Asn Ala Glu Met Gln Glu Val Gly Val Gly Leu Tyr

185

190

195

ccc agt atc tct ttg ctc aat cac agc tgt gac ccc aac tgt tcg att

737

Pro Ser Ile Ser Leu Leu Asn His Ser Cys Asp Pro Asn Cys Ser Ile

200

205

210

gtg ttc aat ggg ccc cac ctc tta ctg cga gca gtc cga gac atc gag

785

Val Phe Asn Gly Pro His Leu Leu Leu Arg Ala Val Arg Asp Ile Glu

215

220

225

230

gtg gga gag gag ctc acc atc tgc tac ctg gat atg ctg atg acc agt

833

Val Gly Glu Glu Leu Thr Ile Cys Tyr Leu Asp Met Leu Met Thr Ser

235

240

245

gag gag cgc cgg aag cag ctg agg gac cag tac tgc ttt gaa tgt gac

881

Glu Glu Arg Arg Lys Gln Leu Arg Asp Gln Tyr Cys Phe Glu Cys Asp

250

255

260

28 / 36

tgt ttc cgt tgc caa acc cag gac aag gat gct gat atg cta act ggt 929  
Cys Phe Arg Cys Gln Thr Gln Asp Lys Asp Ala Asp Met Leu Thr Gly  
265 270 275

gat gag caa gta tgg aag gaa gtt caa gaa tcc ctg aaa aaa att gaa 977  
Asp Glu Gln Val Trp Lys Glu Val Gln Glu Ser Leu Lys Lys Ile Glu  
280 285 290

gaa ctg aag gca cac tgg aag tgg gag cag gtt ctg gcc atg tgc cag 1025  
Glu Leu Lys Ala His Trp Lys Trp Glu Gln Val Leu Ala Met Cys Gln  
295 300 305 310

gcg atc ata agc agc aat tct gaa cgg ctt ccc gat atc aac atc tac 1073  
Ala Ile Ile Ser Ser Asn Ser Glu Arg Leu Pro Asp Ile Asn Ile Tyr  
315 320 325

cag ctg aag gtg ctc gac tgc gcc atg gat gcc tgc atc aac ctc ggc 1121  
Gln Leu Lys Val Leu Asp Cys Ala Met Asp Ala Cys Ile Asn Leu Gly  
330 335 340

ctg ttg gag gaa gcc ttg ttc tat ggt act cgg acc atg gag cca tac 1169  
Leu Leu Glu Glu Ala Leu Phe Tyr Gly Thr Arg Thr Met Glu Pro Tyr  
345 350 355

agg att ttt ttc cca gga agc cat ccc gtc aga ggg gtt caa gtg atg 1217

29 / 36

Arg Ile Phe Phe Pro Gly Ser His Pro Val Arg Gly Val Gln Val Met

360

365

370

aaa gtt ggc aaa ctg cag cta cat caa ggc atg ttt ccc caa gca atg 1265

Lys Val Gly Lys Leu Gln Leu His Gln Gly Met Phe Pro Gln Ala Met

375

380

385

390

aag aat ctg aga ctg gct ttt gat att atg aga gtg aca cat ggc aga 1313

Lys Asn Leu Arg Leu Ala Phe Asp Ile Met Arg Val Thr His Gly Arg

395

400

405

gaa cac agc ctg att gaa gat ttg att cta ctt tta gaa gaa tgc gac 1361

Glu His Ser Leu Ile Glu Asp Leu Ile Leu Leu Leu Glu Glu Cys Asp

410

415

420

gcc aac atc aga gca tcc taa gggaacgcag tcagagggaa atacggcgtg 1412

Ala Asn Ile Arg Ala Ser

425

tgtctttgtt gaatgcctta ttgaggtcac acactctatg ctttgtttagc tgtgtgaacc 1472

tctcttattg gaaattctgt tccgtgtttg tgtaggtaaa taaaggcaga catggtttgc 1532

aaaccacaag aatcattagt tgtagagaag cacgattata ataaattcaa aacatttggt 1592

tgaggatgcc aaaaaaaaaa aaaaaaaaaa 1622

30 / 36

&lt;210&gt; 51

&lt;211&gt; 428

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 51

Met Glu Pro Leu Lys Val Glu Lys Phe Ala Thr Ala Asn Arg Gly Asn  
1                    5                    10                    15

Gly Leu Arg Ala Val Thr Pro Leu Arg Pro Gly Glu Leu Leu Phe Arg  
                  20                    25                    30

Ser Asp Pro Leu Ala Tyr Thr Val Cys Lys Gly Ser Arg Gly Val Val  
                  35                    40                    45

Cys Asp Arg Cys Leu Leu Gly Lys Glu Lys Leu Met Arg Cys Ser Gln  
                  50                    55                    60

Cys Arg Val Ala Lys Tyr Cys Ser Ala Lys Cys Gln Lys Lys Ala Trp

31 / 36

65

70

75

80

Pro Asp His Lys Arg Glu Cys Lys Cys Leu Lys Ser Cys Lys Pro Arg

85

90

95

Tyr Pro Pro Asp Ser Val Arg Leu Leu Gly Arg Val Val Phe Lys Leu

100

105

110

Met Asp Gly Ala Pro Ser Glu Ser Glu Lys Leu Tyr Ser Phe Tyr Asp

115

120

125

Leu Glu Ser Asn Ile Asn Lys Leu Thr Glu Asp Lys Lys Glu Gly Leu

130

135

140

Arg Gln Leu Val Met Thr Phe Gln His Phe Met Arg Glu Glu Ile Gln

145

150

155

160

Asp Ala Ser Gln Leu Pro Pro Ala Phe Asp Leu Phe Glu Ala Phe Ala

165

170

175

3 2 / 3 6

Lys Val Ile Cys Asn Ser Phe Thr Ile Cys Asn Ala Glu Met Gln Glu

180

185

190

Val Gly Val Gly Leu Tyr Pro Ser Ile Ser Leu Leu Asn His Ser Cys

195

200

205

Asp Pro Asn Cys Ser Ile Val Phe Asn Gly Pro His Leu Leu Leu Arg

210

215

220

Ala Val Arg Asp Ile Glu Val Gly Glu Glu Leu Thr Ile Cys Tyr Leu

225

230

235

240

Asp Met Leu Met Thr Ser Glu Glu Arg Arg Lys Gln Leu Arg Asp Gln

245

250

255

Tyr Cys Phe Glu Cys Asp Cys Phe Arg Cys Gln Thr Gln Asp Lys Asp

260

265

270

Ala Asp Met Leu Thr Gly Asp Glu Gln Val Trp Lys Glu Val Gln Glu



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275

280

285

Ser Leu Lys Lys Ile Glu Glu Leu Lys Ala His Trp Lys Trp Glu Gln

290

295

300

Val Leu Ala Met Cys Gln Ala Ile Ile Ser Ser Asn Ser Glu Arg Leu

305

310

315

320

Pro Asp Ile Asn Ile Tyr Gln Leu Lys Val Leu Asp Cys Ala Met Asp

325

330

335

Ala Cys Ile Asn Leu Gly Leu Leu Glu Glu Ala Leu Phe Tyr Gly Thr

340

345

350

Arg Thr Met Glu Pro Tyr Arg Ile Phe Phe Pro Gly Ser His Pro Val

355

360

365

Arg Gly Val Gln Val Met Lys Val Gly Lys Leu Gln Leu His Gln Gly

370

375

380

3 4 / 3 6

Met Phe Pro Gln Ala Met Lys Asn Leu Arg Leu Ala Phe Asp Ile Met

385

390

395

400

Arg Val Thr His Gly Arg Glu His Ser Leu Ile Glu Asp Leu Ile Leu

405

410

415

Leu Leu Glu Glu Cys Asp Ala Asn Ile Arg Ala Ser

420

425

&lt;210&gt; 52

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 52

Asn His Ser Cys Asp Pro Asn

1

5

&lt;210&gt; 53

&lt;211&gt; 8

3 5 / 3 6

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 53

Gly Glu Glu Leu Thr Ile Cys Tyr

1

5

&lt;210&gt; 54

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (5)..(6)

&lt;223&gt; "Xaa" indicates any amino acid

&lt;400&gt; 54

Asn His Ser Cys Xaa Xaa Asn

1

5

36 / 36

<210> 55

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (5)..(7)

<223> "Xaa" indicates any amino acid

<400> 55

Gly Glu Glu Leu Xaa Xaa Xaa Tyr

1

5